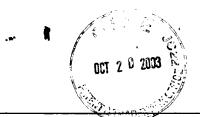
PTO/SB/21 (08-03) Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL				Filing Date		August 26, 2003		
FORM				First Named Invento	or	Frederic M.A COPPINGER		
(to be used for all correspondence after initial filing)			Art Unit		Not Yet Assigned			
			Examiner Name	_	Not Yet Assigned			
Total Number of Pages in This Submission			6 + 4 references	Attorney Docket Number		490102001400		
ENCLOSURES (Check all that apply)								
Fee Transr	nittal Form		Drawing(s)			After Allowance Communication to Group		
Fee Attached			Licensing-related Papers			Appeal Communication to Board of Appeals and Interferences		
Amendment/Reply			Petition			Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
After Final			Petition to Convert to a Provisional Application			Proprietary Information		
Affidavits/declaration(s)			Power of Attorney, Revocation Change of Correspondence Address			Status Letter		
Extension of Time Request			Terminal Disclaimer			Other Enclosure(s) (please identify below):		
Express Abandonment Request			Request for Refund			Form PTO-1449 + copy (2 pages)		
x Information Disclosure Statement (3 pages)			CD, Number of CD(s)			Four (4) references Return postcard		
Certified Copy of Priority Document(s)								
Response to Missing Parts/ Incomplete Application			emarks					
Resp	oonse to Missing Parts							
under 37 CFR 1.52 or 1.53								
	SIGNATI	URE (OF APPLICAN	T, ATTORNEY, OF	R AG	SENT		
Firm or Individual name	MORRISON & FOERSTER LLP 2522 Norman R. Klivans - 33,003							
Signature	wit Klwans							
Date	October 17, 2003							

I hereby certify that this correspondence is be	ng deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in
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an envelope addressed to. Commissioner for	atoms, 1 2 box 1400, 1400, 140 and 150
Dated October 17,2003 Si	nature: (A Varia Lalkanole) (Darci Sakamoto)



PATENT Docket No. 490102001400

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Darci Sakamoto

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Frederic M.A. COPPINGER et al.

Serial No.: 10/649,007

Filing Date: August 26, 2003

For: METHOD AND APPARATUS TO

> REDUCE SECOND ORDER DISTORTION IN OPTICAL

COMMUNICATIONS

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

INFORMATION DISCLOSURE **STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Pursuant to the USPTO notice dated July 11, 2003, waiving the requirement under 37 C.F.R. §1.98 (a)(2)(i) to provide copies of U.S. Patents and U.S. Published Applications, copies of those references numbered 1 and 2 are not submitted. Copies of non-patent literature are submitted herewith in accordance with 37 C.F.R. § 1.98 (a)(2). The Examiner is requested to make these documents of record.

	This 1	Information Disclosure Statement is submitted:						
	With t	he application; accordingly, no fee or separate requirements are required.						
	Before	e the mailing of a first Office Action after the filing of a Request for Continued						
	Exam	ination under § 1.114.						
\boxtimes	Within	hin three months of the application filing date or before mailing of a first Office						
	Action	on the merits; accordingly, no fee or separate requirements are required.						
	After	After receipt of a first Office Action on the merits but before mailing of a final Office						
	or Notice of Allowance.							
		A fee is required. A check in the amount of is enclosed.						
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached						
		to this submission in duplicate.						
		A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee						
		is believed to be due.						
	After	After mailing of a final Office Action or Notice of Allowance, but before payment of the						
	issue i	fee.						
		A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the						
		amount of is enclosed.						
		A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal						
		form (PTO/SB/17 is attached to this submission in duplicate.)						

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does

not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 490102001400. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: October 17, 2003

Respectfully submitted,

Norman R. Klivans, Jr. Registration No. 33,003

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Palo Alto, California 94304-1018

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Sheet 1 of 1 Application Number 10/649,007 Docket Number 490102001400 Form PTO-1449 Applicant INFORMATION DISCLOSURE CITATION Frederic M.A. COPPINGER et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 26, 2003 Group Art Unit Not Yet Assigned Mailing Date October 17, 2003 U.S. PATENT DOCUMENTS Examiner Ref. Date Document No. Name Class Subclass Filing Date If **Initials** Appropriate No. Blauvelt et al. 1. 01/11/1994 5,278,688 2. 08/17/1999 5,940,196 Piehler et al. FOREIGN PATENT DOCUMENTS Date Translation Examiner Ref. Document No. Country Class Subclass YES **Initials** No. NO OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.) Examiner Ref. Title **Initials** No. 3. Agrawal, G. (1995). Nonlinear Fiber Optics, Second Edition Academic Press: San Diego, CA pp viixiv (Table of Contents Only.) Coppinger, F. et al. (2001). "The Effect of SPM, EPM and Sign of Dispersion on the Second Order 4. Distortion in Analog Link," Optical Fiber Communication Conference and Exhibit, Anaheim, CA, March 17-22, 2001 paper WCC2-1, three pages. 5. Phillips, M.R. and Ott, D.M. (1999). "Crosstalk Due to Optical Fiber Nonlinearities in WDM CATV Lightwave Systems," Journal of Lightwave Technology 17(10):1782-1792. Phillips, M.R. et al. (1991). "Nonlinear Distortion Generated by Dispersive Transmission of Chirped 6. Intensity-Modulated Signals," IEEE Photonics Technology Letters 3(5):481-483. **EXAMINER:** DATE CONSIDERED: EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.